

Field Agriculture, Forestry and Fisheries**Review of *Nursery Production* unit standards**

Subfield	Domain	ID
Horticulture	Nursery Production	20555-20573

The New Zealand Horticulture Industry Training Organisation (NZHITO) has completed the review of the unit standards listed above.

Date new versions published

April 2012

Planned review date

December 2017

Summary

NZHITO, in conjunction with industry representatives, providers and other stakeholders, through an Advisory Group, consultation, feedback and endorsement process has reviewed the unit standards within the *Nursery Production* domain listed above. This review took place as part of the normal NZHITO unit standard review cycle. The review process considered the currency of the unit standards, allowed for clarification of moderation issues that had emerged since the last review cycle to be addressed, and allowed for updates and changes to the unit standards.

The review considered the following matters.

- The currency of the unit standards and their suitability for existing and proposed qualifications.
- The accuracy and appropriateness of their content to the nursery industry.
- The need to revise explanatory notes, outcomes, evidence requirements and range statements to ensure they were technically correct, up to date and accurately reflected industry practises.
- Reassessment of credit values to ensure they accurately reflect the time taken for learning and assessment.

Main changes

The review process has resulted in the following changes to the unit standards:

- The development of two new *Nursery Production* unit standards.
- The expiry of two existing unit standards; 20556 is expiring and has been separated into two new unit standards that more accurately represent the teaching and learning processes in the Nursery Production sector, 20566 is being expired without replacement as it is out of date with current industry practise and had extremely low uptake rates.
- The 17 remaining *Nursery Production* unit standards that were reviewed have, based upon their usage, industry requirements, and relationship to other unit standards in subfield *Horticulture*, had changes made to titles, credits, explanatory notes, outcomes, and evidence requirements.

Category C and D unit standards will expire at the end of December 2014

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of accreditation	Classification or ID	Level	Nature of accreditation	Classification or ID	Level
Standard	20556	2	Standards	27707, 27708	2

Impact on registered qualifications

Key to type of impact	
Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following table identifies a qualification developed by another SSB that are impacted by the outcome of this Review. The SSB has been advised that the qualification requires revision. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID	SSB Name
1078	National Certificate in Amenity Turf Maintenance (Level 3)	20556	New Zealand Sports Turf Industry Training Organisation

Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Agriculture, Forestry and Fisheries > Horticulture > Nursery Production

ID	Title	Level	Credit	Review Category
20555	Prepare and use soil-less growing media	3	5	B
20556	Demonstrate knowledge of plant propagation	2	10	C
27707	Demonstrate knowledge of plant propagation by budding, grafting, layering and tissue culture	2	5	
27708	Demonstrate knowledge of sexual and asexual plant propagation	2	6	
20557	Propagate plants from seed	4	10	B
20558	Propagate plants by cuttings	4	10	B
20559	Propagate herbaceous plants by division	3	10	B

ID	Title	Level	Credit	Review Category
20560	Grow plants in containers Grow nursery crops in containers	3	10	B
20561	Grow plants in the field Grow nursery crops in the field	3	10	B
20562	Prune and train nursery plants	4	5	B
20563	Demonstrate knowledge of nursery production systems	3	5 6	B
20564	Carry out post harvest care of nursery produce	4	5	B
20565	Pack and dispatch pre-graded nursery products	3	5	B
20566	Propagate plants using tissue culture	4	10	D
20567	Produce a nursery crop	4	20	B
20568	Operate and maintain a specialised item of nursery machinery Operate and maintain a specialist item of nursery machinery	4	5	B
20569	Control the nursery growing environment	4	5 7	B
20570	Demonstrate knowledge of nursery growing media Demonstrate knowledge of nursery growing media and soils	2	5	B
20571	Care for nursery crops	2	10	B
20572	Bud and graft young plants	4	10	B
20573	Grade nursery produce Grade nursery crops	3	5	B
27705	Select, collect and prepare seeds for plant propagation purposes	3	5	New
27706	Demonstrate knowledge of laboratory micropropagation processes and exflask and acclimatise plants in a nursery	4	10	New